

## **SECTION 00852**

### **SPREADING LIQUID BITUMINOUS MATERIALS**

#### **PART 1 GENERAL**

##### **1.1 SECTION INCLUDES**

- A. Procedures for spreading UDOT furnished:
  - 1. Liquid or emulsified asphalt to a prepared subgrade.
  - 2. Cutback or emulsified asphalt to the existing or new pavement surface and intermediate lifts.

##### **1.2 UNIT PRICES**

- A. Tons of product spread.
- B. 25 tons per day minimum guaranteed for any call out.
- C. Overnight holdover for equipment directed to remain on the job by UDOT representative.
- D. Tons-miles for product returned to supplied unused.

##### **1.3 MEASUREMENT PROCEDURES**

- A. Product placed based on weigh tickets from certified scale.
- B. Overnight hold periods.
- C. Unused product returned to supplier based on weigh tickets from certified scale.

## **PART 2 EQUIPMENT**

### **2.1 CHARACTERISTICS**

- A. Meet current USDOT and UDOT safety transportation, handling, and temporary storage standards for liquid asphalt products.
- B. Spreader can apply products at variable rates and widths.
- C. Change spray nozzle sizes as requested by UDOT representative.
- D. Eighteen feet minimum spreader bar width.
- E. Spreader and trailers have standard cam lock connectors compatible with transportation industry tank standards
- F. Spreader and trailers must be able to transfer product freely between one another without clogging.

### **2.2 SPRAY NOZZLES**

- A. Nozzle angle is fully adjustable
- B. Adjust nozzle to angle specified by UDOT Representative
- C. Spray nozzles flow freely.

### **2.3 CONTROLS**

- A. Cab-mounted fully functional bar and computer controlled flow controls.
- B. Change spread widths by one-, two-, and three-foot increments using cab-operated bar control
- C. Change spread widths without stopping the vehicle

### **2.4 PRODUCT HANDLING**

- A. Circulate products through the application bar.
- B. Draw products back into the holding tank, as needed.
- C. Screen product before loading.
- D. Screen product before application

## **PART 3 EXECUTION**

### **3.1 WORK SITE CONDITIONS**

- A. UDOT Equipment:
  - 1. Work with and around UDOT equipment and personnel.
- B. Administrative Compliance:
  - 1. Comply with current UDOT safety standards while on the roadway.
  - 2. Contractor and contractor employees have all licenses, safety inspections, certifications, and insurance documentation necessary to handle and transport liquid asphalt products.
  - 3. Show compliance proof of upon request,

### **3.2 PRODUCT HANDLING**

- A. Material Handling:
  - 1. Material supplier arranges for product delivery to job site.
  - 2. Material supplier may ask spreading service provider to transport material products to the job site
  - 3. Negotiate product transport to job site if requested by product supplier.
  - 4. In event of equipment failure, all rates and fees will terminate until equipment is functional
  - 5. If transported products fail to meet minimum UDOT specifications, compensation for returned loads will be the responsibility of the product supplier.

### **3.3 MAINTENANCE AND CLEANUP**

- A. UDOT Responsibilities:
  - 1. UDOT provides no washout facilities or tank flushing locations.
  - 2. UDOT establishes location where the spreading service provider may safely apply amounts of softening and cleaning agent sufficient enough to keep the spreader functional while on the job.

- B. Spreading service provider responsibilities:
1. Cleanup and mitigate all product spills involving their equipment or employees.
  2. Spreading service provider cleans it's own equipment cleaning.
  3. Spreading service maintains its' own equipment.
  4. Clean and maintain equipment off UDOT property.

END OF SECTION

**Revision History**

**Modified to WS Word - May 21, 2004**

### ATTACHMENT C: ITEMIZED PRICE LIST

Area See Map	Product Spread Ton	Holdover Spreader/Night	Holdover Trailer/Night	Returned Product Ton-Mile
Region One		\$	Included	
Region Two				
Region Three				
Cedar City District				
Price District				
Richfield District			Included	